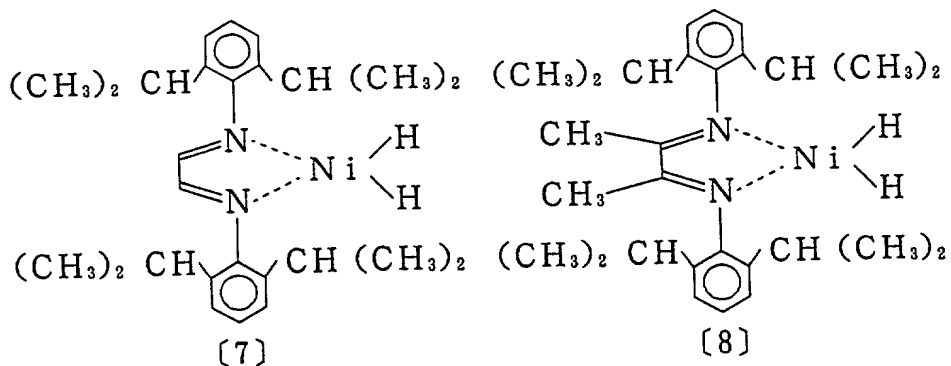
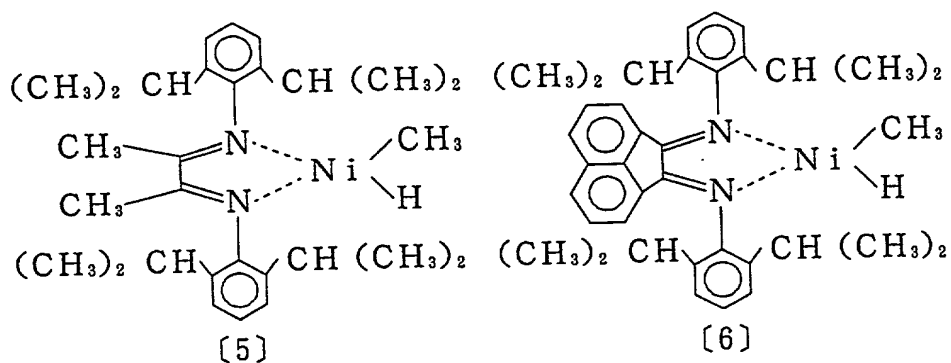
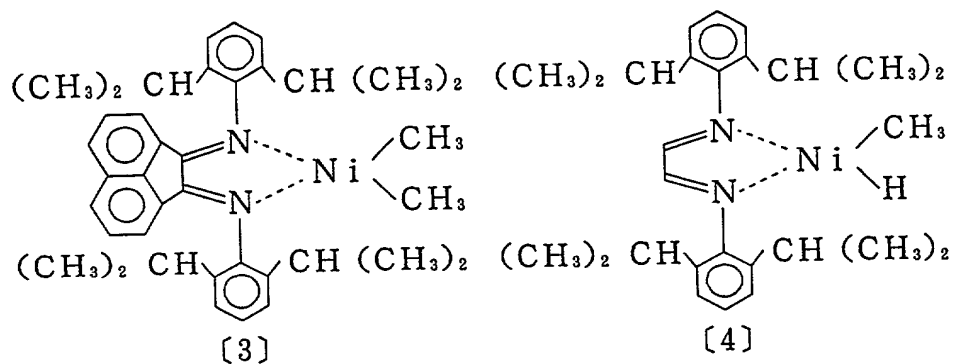
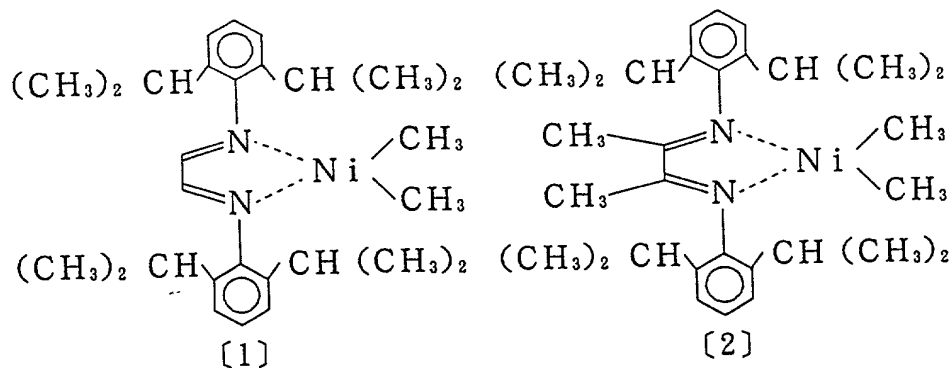
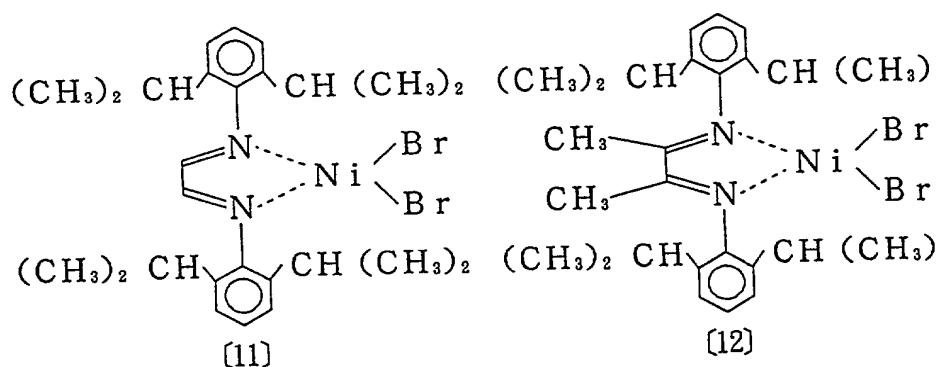
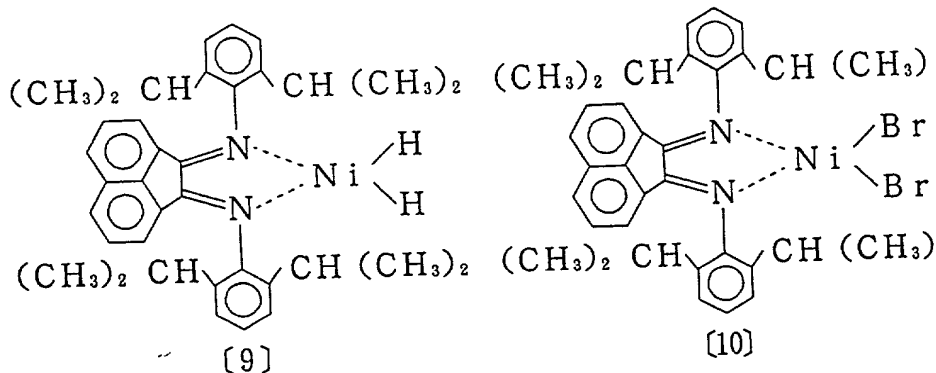


[5], [6], [7], [8], [9], [10], [11] and [12].





Specific examples of the transition metal compounds of formula (7) include dibromobistriphenylphosphine nickel, dichlorobistriphenylphosphine nickel, dibromodiacetonitrile nickel, dibromodibenzonitrile nickel, dibromo(1,2-bisdiphenylphosphinoethane) nickel, dibromo(1,3-bisdiphenylphosphinopropane) nickel, dibromo(1,1'-diphenylbisphosphinoferrocene) nickel, dimethylbisdiphenylphosphine nickel, dimethyl(1,2-bisdiphenylphosphinoethane) nickel, methyl(1,2-bisdiphenylphosphinoethano)nickel tetrafluoroborate, (2-diphenylphosphino-1-phenylethyleneoxy)phenylpyridine

nickel, dichlorobistriphenylphosphine palladium,  
dichlorodibenzonitrile palladium, dichlorodiacetonitrile  
palladium, dichloro(1,2-bisdiphenylphosphinoethane)  
palladium, bistrisphenylphosphinopalladium  
bistetrafluoroborate, bis(2,2'-bipyridino)methyliron  
tetrafluoroborate etherate, etc.

Of those, preferred are cationic complexes such as  
methyl(1,2-bisdiphenylphosphinoethano)nickel  
tetrafluoroborate, bistrisphenylphosphinopalladium  
bistetrafluoroborate, and bis(2,2'-bipyridino)methyliron  
tetrafluoroborate etherate.

In the invention, one or more of the complex compounds  
noted above may be used either singly or as combined.

Component (B):

(a) an oxygen-containing compound, and/or (b) a compound  
capable of reacting with a transition metal compound to form  
an ionic complex, preferably (a) an oxygen-containing  
compound.

In the invention, both a catalyst for copolymerization  
which comprises the component (B) as an essential component  
and a catalyst for copolymerization which does not comprise  
the component (B).

(a) Oxygen-containing compound:

Herein used are oxygen-containing compounds of a  
general formula (8):